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NEWS 7 JAN 22 CA/Caplus enhanced with patent applications from India
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NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in
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NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers
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NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13 FEB 26 MEDLINE reloaded with enhancements
NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field
NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE
NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000
to 300,000 in multiple databases
NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19 MAR 16 CASREACT coverage extended
NEWS 20 MAR 20 MARPAT now updated daily
NEWS 21 MAR 22 LWPI reloaded
NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements
NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN
NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field
NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records
NEWS 26 APR 30 CA/Caplus enhanced with 1870-1889 U.S. patent records
NEWS 27 APR 30 INPADOC replaced by INPADOCDB on STN
NEWS 28 MAY 01 New CAS web site launched

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:06:14 ON 02 MAY 2007

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 18:06:23 ON 02 MAY 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 MAY 2007 HIGHEST RN 934050-43-8

DICTIONARY FILE UPDATES: 1 MAY 2007 HIGHEST RN 934050-43-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

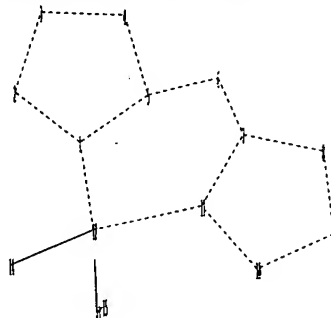
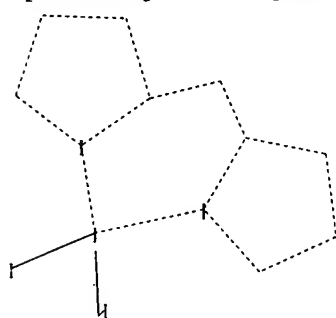
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=>

Uploading C:\Program Files\Stnexp\Queries\10761818r.str



chain nodes :

13 14 15

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

12-13 12-14 13-15

ring bonds :

10761818R

10761818R

1-2 1-5 1-12 2-3 3-4 4-5 5-6 6-7 7-8 7-11 8-9 9-10 10-11 11-12
exact/norm bonds :
1-2 1-5 1-12 2-3 3-4 4-5 5-6 6-7 7-8 7-11 8-9 9-10 10-11 11-12
exact bonds :
12-13 12-14 13-15

Match level :

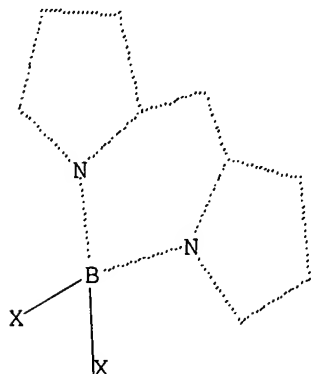
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 18:06:51 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 5 TO 234
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 18:07:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 63 TO ITERATE

100.0% PROCESSED 63 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L3 1 SEA SSS FUL L1

10761818R

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=> fil hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'HCAPLUS' ENTERED AT 18:07:13 ON 02 MAY 2007

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FILE COVERS 1907 - 2 May 2007 VOL 146 ISS 19

FILE LAST UPDATED: 1 May 2007 (20070501/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 5 L3

=> d ed ibib abs hitstr 1-5

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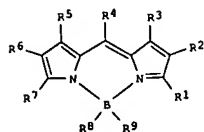
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L4 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
 ED Entered STN: 10 Jan 2000
 ACCESSION NUMBER: 2000:19498 HCAPLUS
 DOCUMENT NUMBER: 132:85909
 TITLE: Visible light-hardenable resin composition and its applications
 INVENTOR(S): Imai, Genji; Kogure, Hideo; Ogiso, Akira; Misawa, Tsutayoshi; Nishimoto, Taizo; Tsukahara, Hiroshi; Takuma, Keisuke
 PATENT ASSIGNEE(S): Kansai Paint Co., Ltd., Japan; Mitsui Chemicals Inc.
 SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 6
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000003038	A	20000107	JP 1998-165045	19980612
SG 93820	A1	20030121	SG 1998-2960	19980811
PRIORITY APPLN. INFO.:			JP 1997-217721	A 19970812
			JP 1998-102794	A 19980414
			JP 1998-124947	A 19980507
			JP 1998-159493	A 19980608
			JP 1998-159494	A 19980608
			JP 1998-165044	A 19980612
			JP 1998-165045	A 19980612

OTHER SOURCE(S): MARPAT 132:85909
 GI

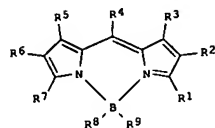


AB The visible light-hardenable resin composition used at 500-620 nm comprises (a) a photohardenable resin, (b) a photoreaction initiator, and (c) a photosensitizer I (R1-3,5-7 = H, halo, nitro, cyano, etc.; R4 = H, cyano, alkyl, etc.; R8,9 = halo, alkyl, aralkyl, etc.), and an optical

L4 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
 ED Entered STN: 27 Dec 1999
 ACCESSION NUMBER: 1999:813976 HCAPLUS
 DOCUMENT NUMBER: 132:57131
 TITLE: Visible light-curable resin compositions containing radical-protecting agents and curable resin material therefrom
 INVENTOR(S): Imai, Genji; Kogure, Hideo; Ogiso, Akira; Misawa, Tsutayoshi; Nishimoto, Taizo; Tsukahara, Hiroshi; Takuma, Keisuke
 PATENT ASSIGNEE(S): Kansai Paint Co., Ltd., Japan; Mitsui Chemicals Inc.
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 6
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11352675	A	19991224	JP 1998-159493	19980608
TW 494275	B	20020711	TW 1998-87113168	19980811
SG 93820	A1	20030121	SG 1998-2960	19980811
PRIORITY APPLN. INFO.:			JP 1997-217721	A 19970812
			JP 1998-102794	A 19980414
			JP 1998-124947	A 19980507
			JP 1998-159493	A 19980608
			JP 1998-159494	A 19980608
			JP 1998-165044	A 19980612
			JP 1998-165045	A 19980612

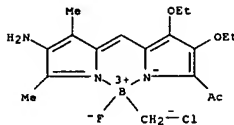
OTHER SOURCE(S): MARPAT 132:57131
 GI



AB The resin compns., useful for electrodeposition, paints, resist inks, adhesives, printing plate making, information recording, relief production, contain (A) photocurable resins, (B) photoinitiators, (C) 21 radical-protecting agents selected from phosphite esters and N,N-dimethylamino-substituted aromatic compds., and (D) 21 organoboron compds. I (R1-R3, R5-R7 = H, halo, NO2, cyano, OH, NH2, CO2H, SO3H,

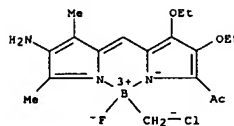
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L4 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 absorptivity of the non-exposed film of the compn. is ≤ 0.5 at ± 30 nm of the above wavelength range.
 IT 223790-63-4
 RL: NUU (Other use, unclassified); USES (Uses)
 (photosensitizer contained in visible light-hardenable resin composition)
 RN 223790-63-4 HCAPLUS
 CN Boron, [1-[5-[(4-amino-3,5-dimethyl-2H-pyrrol-2-ylidene- κ N)methyl]-3,4-diethoxy-1H-pyrrol-2-yl- κ N]ethanolate](chloromethyl)fluoro-, (T-4)- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 haloalkyl, alkoxyalkyl, alkoxy, alkoxyalkoxy, aryloxy, aralkyloxy, acyl, alkoxyacarbonyl, aminocarbonyl, alkylaminocarbonyl, dialkylaminocarbonyl, alkylcarboxylamino, arylcarboxylamino, arylaminocarbonyl, aryloxyacarbonyl, aralkyl, aryl, heteroaryl, alkylthio, arylthio, alkenyloxyacarbonyl, aralkyloxyacarbonyl, alkoxyacarbonylalkoxyacarbonyl, alkylcarboxylalkoxyacarbonyl mono(hydroxyalkyl)aminocarbonyl, di(hydroxyalkyl)aminocarbonyl, mono(alkoxyalkyl)aminocarbonyl, di(alkoxyalkyl)aminocarbonyl, alkenyl; 21 of R1-R7 = alkoxy, alkoxyalkoxy, aryloxy, aralkyloxy; R4 = H, cyano, alkyl, aralkyl, aryl, heteroaryl, alkenyl; R8-R9 = halo, alkyl, aralkyl, aryl, heteroaryl, alkoxy, alkoxyalkoxy, alkoxyalkoxyalkoxy, haloalkyl, alkylthioalkyl, dialkylaminosalkyl, alkylthioalkoxy, dialkylaminosalkoxy, dialkylaminosalkoxyalkoxy, alkylthio, alkoxyalkylthio, alkylthioalkylthio, dialkylaminosalkylthio, aralkyloxy, aryloxy, arylthio, heteroaryloxy, heteroarylthio; if R8 = R9 = halo, then none of R1-R7 = alkenyl] as photosensitizers. Also claimed are visible light-curable resin materials comprising a substrate and the compn. The compns. are resistant to curing inhibition by oxygen.

IT 223790-63-4
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
 (visible light-curable resists containing phosphite esters or dimethylanilines as radical-protecting agents and organoboron compds. as photosensitizers)
 RN 223790-63-4 HCAPLUS
 CN Boron, [1-[5-[(4-amino-3,5-dimethyl-2H-pyrrol-2-ylidene- κ N)methyl]-3,4-diethoxy-1H-pyrrol-2-yl- κ N]ethanolate](chloromethyl)fluoro-, (T-4)- (9CI) (CA INDEX NAME)



10761818R

L4 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ED Entered STN: 03 May 1999

ACCESSION NUMBER: 1999:271059 HCAPLUS

DOCUMENT NUMBER: 130:338843

TITLE: Visible optical curable resin composition and its application

INVENTOR(S): Nishimoto, Taizo; Mizawa, Nobuyoshi; Sugimoto, Kenichi; Tsukahara, Hiroshi; Tsuda, Takeshi; Ogiso, Akira; Takuma, Keisuke; Imai, Genji; Kogure, Hideo

PATENT ASSIGNEE(S): Mitsui Chemicals Inc., Japan; Kansai Paint Co., Ltd.

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JIKXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 6

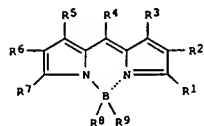
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11116612	A	19990427	JP 1998-102794	19980414
TW 494275	B	20020711	TW 1998-87113168	19980811
SG 93820	A1	20030121	SG 1998-2960	19980811

PRIORITY APPLN. INFO.: JP 1997-217721 A 19970812

OTHER SOURCE(S): MARPAT 130:338843

GI



AB Title composition with high sensitivity to visible light, especially to the second harmonic of argon laser and YAG laser, and having good storage stability for forming photosensitive layer contains photo-sensitizer I, where R1,

L4 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)

R2, R3, R5, R6, and R7 are independently hydrogen, halogen, nitro, cyano, hydroxy, amino, carboxy, sulfonic acid, alkyl, halogenoalkyl, alkoxyalkyl,

alkoxy, alkoxyalkoxy, aryloxy, aralkyloxy, acyl, alkoxy-carboxy, aminocarbonyl, alkylaminocarbonyl, dialkylaminocarbonyl, alkylcarbonylamino, arylcarbonylamino, arylaminocarbonyl, aryloxy-carbonyl, aralkyl, aryl, heteroaryl, alkylthio, arylthio, alkenyloxy-carbonyl, aralkyloxy-carbonyl, alkoxy-carbonyl-alkoxy-carbonyl, alkylcarbonyl-alkoxy-carbonyl, mono(hydroxyalkyl)aminocarbonyl, mono(alkoxyalkyl)aminocarbonyl, di(alkoxyalkyl)aminocarbonyl or alkenyl group, wherein, 2l ones are alkoxy, alkoxyalkoxy, aryloxy or aralkyloxy group, R4 is hydrogen,

cyano, alkyl, aralkyl, aryl, heteroaryl, or alkenyl group, R8 and R9 are halogen, alkyl, aralkyl, aryl, heteroaryl, alkoxy, alkoxyalkoxy, alkoxyalkoxyalkoxy, halogenoalkyl, alkylthioalkyl, dialkylaminoalkyl, alkylthioalkoxy, dialkylaminoalkoxy, dialkylaminoalkoxyalkoxy, alkylthio, alkoxyalkylthio, alkylthioalkylthio, dialkylaminoalkylthio, aryloxy, arylthio, heteroaryloxy, or heteroarylthio group. Thus a photosensitive layer comprising photo-sensitizer 5, Me methacrylate-methacrylic acid-hydroxyphenyl methacrylate-benzyl methacrylate copolymer 100, trimethylolpropane triacrylate 55, titanocene 20, and Me cellosolve 160 parts was crosslinked by irradiation of argon laser, or the second harmonic

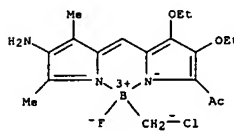
of xenon lamp and YAG laser, and kept for 6 mo for evaluation.

IT 223790-63-4

RI: MOA (Modifier or additive use); USES (Uses)
(photo-sensitizer; preparation and application of visible optical curable resin composition)

RN 223790-63-4 HCAPLUS

CN Boron, [1-[5-[(4-amino-3,5-dimethyl-2H-pyrrol-2-ylidene-κN)methyl]-3,4-diethoxy-1H-pyrrol-2-yl-κN]ethanonato](chloromethyl)fluoro-, (T-4)- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

28.95

201.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.90

-3.90

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